Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/27/2019 09:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126488	1	2.38	126630	2.45
Blue	F	SSC	125000	124436	-1	1.61	125261	1.59
Blue	E	FITC	16433	16037	-3	2.79	349	20.36
Blue	D	PE	27595	27193	-2	2.03	592	14.83
Blue	B	PerCP-Cy5-5	43183	43347	0	3.71	1162	20.28
Blue	A	PE-Cy7	31943	31607	-2	6.15	605	41.10
Red	C	APC	42819	42652	-1	2.31	1509	11.96
Red	A	APC-Cy7	31261	30376	-3	2.30	805	11.99
Violet	B	V450	6527	6301	-4	4.78	352	13.30
Violet	A	V500	24533	23636	-4	4.65	549	10.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18078	13.74	618	18	N/A	N/A	Pass
Blue	F	SSC	56574	1.19	556	8	N/A	N/A	Pass
Blue	E	FITC	64	62.06	542	3	0.0187	71	Pass
Blue	D	PE	124	48.23	539	5	0.1501	219	Pass
Blue	B	PerCP-Cy5-5	211	50.47	654	12	0.0092	71	Pass
Blue	A	PE-Cy7	111	100.50	700	11	0.0106	10	Pass
Red	C	APC	359	24.88	578	-5	0.0250	139	Pass
Red	A	APC-Cy7	178	28.05	557	-6	0.0054	622	Pass
Violet	B	V450	54	59.82	454	-1	0.0541	2246	Pass
Violet	A	V500	82	34.48	465	-2	0.0249	1005	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.00	-31.64	0.96
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.50
Red	16.64	13.60 - 20.40	N/A	N/A	29.41	29.72	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9537

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments